



Applicant:
Serial No.
Confirmation No.
Filing Date:

Bing Zhou, et al.
10/618,909
7968
July 14, 2003

Att'y Docket No. 15913.39
Group: 1754

INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE
SUPPORTED CATALYSTS HAVING A CONTROLLED
COORDINATION STRUCTURE AND METHODS FOR PREPARING
SUCH COMPOSITIONS

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
<u>HC</u> 1	4,064,154	Dec. 20, 1977	Chadra et al.
2	4,083,803	Apr. 11, 1978	Oswald et al.
3	4,503,160	Mar. 5, 1985	Williams
4	4,513,098	Apr. 23, 1985	Tsao
5	5,391,531	Feb. 21, 1995	Ward
6	5,583,085	Dec. 10, 1996	Ward
7	5,846,895	Dec. 8, 1998	Gila et al.
8	6,331,500	Dec. 18, 2001	Tsuji et al.
9	6,500,969	Dec. 31, 2002	Zhou et al.
10	6,528,683	Mar. 4, 2003	Heidemann et al.
11	6,740,615	May 25, 2004	Zhou
<u>HC</u> 12	6,746,597	June 6, 2004	Zhou et al.

Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.
Serial No. 10/618,909
Confirmation No. 7968
Filing Date: July 14, 2003
For:

Att'y Docket No. 15913.39
Group: 1754

INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE
SUPPORTED CATALYSTS HAVING A CONTROLLED
COORDINATION STRUCTURE AND METHODS FOR PREPARING
SUCH COMPOSITIONS

Other Documents

(including author, title, pertinent pages, etc.)

Examiner

Initial*

- | | |
|----|---|
| 13 | Li, et al, "Preparation and Characterization of Multiwalled Carbon Nanotube-Supported Platinum for Cathode Catalysts of Direct Methanol Fuel Cells", <i>J. Phys. Chem. B</i> , June 6, 2003, Vol. 107, pp. 6292-6299. |
| 14 | Li, et al., "Carbon nanotubes as support for cathode catalyst of a direct methanol fuel cell", <i>Letters to the Editor/Carbon 40</i> Dalian University of Technology, (2002), pp. 787-803 |
| 15 | Lordi, et al., "Method for Supporting Platinum on Single-Walled Carbon Nanotubes for a Selective hydrogenation Catalyst", <i>Chem. Mater.</i> 2001, vol. 13, pp. 733-737. |
| 16 | Zhou et al, "Novel synthesis of highly active Pt/C cathode electrocatalyst for direct methanol fuel cell", <i>Chem. Commun.</i> , Jan. 13, 2003, (3), pp. 394-395. |
| 17 | Zhou, et al., "Preparation and Characterization of Anode Catalysts PtRu/C for Direct Methanol Fuel Cells", <i>Chemical Journal of Chinese Universities</i> , Vol. 24, No. 5, pp. 858-862. |

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not

Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.
Serial No. 10/618,909
Confirmation No. 7968
Filing Date: July 14, 2003
For:

Att'y Docket No. 15913.39
Group: 1754

INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE
SUPPORTED CATALYSTS HAVING A CONTROLLED
COORDINATION STRUCTURE AND METHODS FOR PREPARING
SUCH COMPOSITIONS

in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

W:\15913\39\MLA0000002319V001.doc

Examiner:

Date Considered:

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.
 Serial No. 10/618,909
 Confirmation No. 7968
 Filing Date: July 14, 2003

Att'y Docket No. 15913.39
 Group: 1754



INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE
 SUPPORTED CATALYSTS HAVING A CONTROLLED
 COORDINATION STRUCTURE AND METHODS FOR PREPARING
 SUCH COMPOSITIONS

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
<u>mc</u> 1	4,007,256	02/08/1977	Kim et al.
2	4,028,274	06/07/1977	Kunz
3	4,128,627	12/05/1978	Dyer et al.
4	4,335,092	06/15/1982	Dalton et al.
5	4,336,239	06/22/1982	Dalton et al.
6	4,336,240	06/22/1982	Moselay et al.
7	4,347,231	08/31/1982	Michaelson
8	4,347,232	08/31/1982	Michaelson
9	4,476,242	10/09/1984	Puskas et al.
10	4,701,428	10/20/1987	Bellussi et al.
11	4,713,363	12/15/1987	Hucul
12	4,824,976	04/25/1989	Clerici et al.
<u>mc</u> 13	4,937,216	06/26/1990	Clerici et al.

Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.

Serial No. 10/618,909

Att'y Docket No. 15913.39

Confirmation No. 7968

Group: 1754

Filing Date: July 14, 2003

For: INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE
SUPPORTED CATALYSTS HAVING A CONTROLLED
COORDINATION STRUCTURE AND METHODS FOR PREPARING
SUCH COMPOSITIONS

<u>14</u>	4,937,220	06/26/1990	Nickols, Jr.
15	5,024,905	06/18/1991	Itoh et al.
16	5,061,671	10/29/1991	Kitson et al.
17	5,096,866	03/17/1992	Itoh et al.
18	5,104,635	04/14/1992	Kanada et al.
19	5,166,372	11/24/1992	Crocco et al.
20	5,214,168	05/25/1993	Zajacek et al.
21	5,338,531	08/16/1994	Chuang et al.
22	5,372,981	12/13/1994	Witherspoon
23	5,399,344	08/16/1994	Kawakami et al.
24	5,698,488	12/16/1997	Birbara et al.
25	5,767,036	06/16/1998	Freund et al.
26	5,900,386	05/04/1999	Freund et al.
27	5,912,367	06/15/1999	Chang
28	5,961,948	10/05/1999	Wanngard
29	5,965,101	10/12/1999	Goto et al.
<u>30</u>	6,090,858	07/18/2000	El-Sayed

Examiner:

Date Considered:

[Signature] *01/24/2005*
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.
Serial No. 10/618,909
Confirmation No. 7968
Filing Date: July 14, 2003
For:

Att'y Docket No. 15913.39
Group: 1754

INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE
SUPPORTED CATALYSTS HAVING A CONTROLLED
COORDINATION STRUCTURE AND METHODS FOR PREPARING
SUCH COMPOSITIONS

<u>31</u>	6,168,775	01/02/2001	Zhou et al.
32	6,194,338	02/27/2001	Andolfatto et al.
33	6,284,213	09/04/2001	Paparatto et al.
34	6,500,968	12/31/2002	Zhou et al.
35	6,518,217	02/11/2003	Xing et al.
36	6,534,661	03/18/2003	Zhou et al.
<u>37</u>	6,576,214	06/10/2003	Zhou, et al.

Foreign Patent Documents

Examiner Initial*	Document Number	Publication Date	Country or Patent Office
<u>38</u>	EP 0864362	09/16/1998	EPO
39	EP 0978316	02/09/2000	EPO
<u>40</u>	WO 98/10863	03/19/1998	Japan

Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.

Serial No. 10/618,909

Att'y Docket No. 15913.39

Confirmation No. 7968

Group: 1754

Filing Date: July 14, 2003

For: INTERMEDIATE PRECURSOR COMPOSITIONS USED TO MAKE
SUPPORTED CATALYSTS HAVING A CONTROLLED
COORDINATION STRUCTURE AND METHODS FOR PREPARING
SUCH COMPOSITIONS

Other Documents

(including author, title, pertinent pages, etc.)

Examiner

Initial*

41 "Shape-Controlled Synthesis of Colloidal Platinum Nanoparticles" by T. Ahmadi
et al, Science, vol. 272, Jun. 28, 1996, pp. 1924-1926

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

W:\15913\39\KKK0000001250V001.doc

Examiner:

Date Considered:

[Signature] *01/05/2004*
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
